

EVALUATING THE WEB CONFERENCE PROTOTYPE AT FTM BUILDING

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**EVALUATING THE WEB CONFERENCE PROTOTYPE
AT FTM BUILDING**

A Master project submitted to the Graduate School in partial
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ABSTRAK

Konferen berasaskan web merupakan satu aplikasi multimedia yang membenarkan satu kumpulan rakan sekerja mengadakan pertemuan secara 'online' walaupun mereka terpisah jauh dari lokasi tempat kerja. Menggunakan web konferen membenarkan mereka berinteraksi secara lisan, teks atau teks sembang yang membolehkan mereka berkongsi maklumat samada untuk tujuan perniagaan, pendidikan mahu pun untuk tujuan peribadi. Walaubagaimanapun, penggunaan teknologi web konferen masih lagi kurang dalam konteks Malaysia. Oleh itu, projek ini memfokuskan dalam pembangunan satu aplikasi web konferen yang membenarkan pengguna berkomunikasi sesama mereka menerusi rangkaian. Projek ini juga mengukur penggunaan jalur lebar untuk menilai prestasi aplikasi ini di dalam rangkaian memandangkan kebanyakan aplikasi yang dibina tidak diberi penekanan terhadap proses pemantauan.

Hasil dari kajian ini menunjukkan bahawa aplikasi web konferen ini berupaya untuk mengatasi masalah konferen secara tradisional dan ia juga menyediakan satu sistem aplikasi multimedia yang berkualiti tinggi. Prestasi aplikasi ini juga memberi petunjuk yang positif dalam penggunaan jalur lebar ia melibatkan 'Quality of Service' yang tinggi.

ABSTRACT

Web Conferencing is a multimedia application which allows a group of people to meet online and allow collaboration between dispersed teams. Using web conferencing, groups are able to see, hear, text chat, present and share information in a collaborative manner. This application is widely used in business and education environment as well as for personal communication. However, in Malaysia context, there still lack of web conference application developed. Therefore, the purpose of this project is to develop web conference prototype that allows user communicate among themselves via the network. Then, this project attempts to measure the bandwidth usage in order to analyze its performance on the network since there is lack of monitoring process done after completion of an application.

Hence, the results shows that the web conference application intends to overcome the traditional meeting and provide high quality of multimedia application system. The application performance in terms of bandwidth usage show positive indicative for further enhancement of the project as it involves high quality of QoS.

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TABLE OF CONTENTS

	Page
PERMISSION TO USE	i
ABSTRAK	ii
ABSTRACT	iii
ACKNOWLEDGEMENTS	iv
TABLE OF CONTENTS	v
LIST OF TABLES	viii
LIST OF FIGURES	ix
CHAPTER 1: INTRODUCTION	
1.1 Background of Study	1
1.2 UUM Environment	3
1.3 Problem Statement	4
1.4 Project's Objective	5
1.5 Research Question	5
1.6 Project Scope	6
1.7 Significance of Study	6
1.8 Conclusion	7
CHAPTER 2: LITERATURE REVIEW	
2.1 Introduction	8
2.2 Web Conference Functionality	8
2.3 Example of Web Conference Application	10
2.3.1 NetMeeting	10
2.3.2 Yahoo Messenger	12
2.4 Quality of Service	13
2.5 Bandwidth	15
2.6 UUM Case Study	19
2.7 Conclusion	20

CHAPTER 3: METHODOLOGY

3.1	Introduction	21
3.2	Analysis Phase	21
3.2.1	System Architecture	22
3.2.2	System Requirement	22
3.3	Design Phase	24
3.3.1	Navigation Diagram	25
3.3.2	Interface Layout	26
3.4	Development Phase	27
3.4.1	Macromedia Flash Communication Server MX	27
3.4.2	Macromedia Flash MX	27
3.4.3	ColdFusion Server 4.5	28
3.4.4	ColdFusion Studio 4.5	28
3.4.5	Microsoft Access	29
3.4.6	Ultra Network Sniffer	29
3.5	Implementation Phase	33
3.6	Conclusion	33

CHAPTER 4: RESULTS AND FINDINGS

4.1	Introduction	34
4.2	Web Conference Application	35
4.2.1	Interfaces	35
4.2.2	Features	45
4.3	Packet Size	46
4.4	Transfer Rate	48
4.4.1	Packet Per Second	48
4.4.2	Byte Per Second	50
4.5	Bandwidth Performance	51
4.6	Conclusion	52

CHAPTER 5: CONCLUSION	
5.1	Introduction 53
5.2	Limitation 53
5.2.1	Number Of Participant 54
5.2.2	Time Constraint 54
5.2.3	Monitoring Tool 54
5.2.4	Lack Of Research 54
5.2.5	Computer Hardware 55
5.2.6	Scope Of The Study 55
5.3	Future Work 55
5.3.1	Publish The Web Conference Application On The Internet. 56
5.3.2	Quality of Service(QoS) 56
5.4	Conclusion 56
REFERENCE	58
APPENDIX A: DATA COLLECTION	60
APPENDIX B: SYSTEM SOURCE CODE	65

LIST OF TABLES

	Page
Table 2.1: Yahoo messenger feature	13
Table 3.1: Table member information	29
Table 4.1: Packet size (Byte)	47
Table 4.2: Transfer rate (Packet/sec)	49
Table 4.3: Transfer rate (Byte/sec)	50
Table 4.4: Parameter of bandwidth requirement	52

LIST OF FIGURES

	Page
Figure 2.1: The example of web conference from NetMeeting application	11
Figure 2.2: The example of web conference from Yahoo Messenger	12
Figure 3.1: Server Architecture	22
Figure 3.2: The navigation diagram	25
Figure 3.3: Interface layout for the web conference application	26
Figure 3.4: Interface for select network adapter.	30
Figure 3.5: Interface of Ultra Network Sniffer	31
Figure 3.6: Interface of Network Analyst Options	31
Figure 4.1: Interface for login	36
Figure 4.2: Interface for registration	37
Figure 4.3: Interface for allow server to access user's webcam	38
Figure 4.4: Interface of web conference application	40
Figure 4.5: View speed of connection	42
Figure 4.6: Setting connection speed	44
Figure 4.7: Setting font color	45
Figure 4.8: Graph of packet size	48
Figure 4.9: Graph of transfer rate (Packet/sec)	49
Figure 4.10: Graph of transfer Rate (byte/sec)	51

CHAPTER 1

INTRODUCTION

1.1 Background of Study

Traditionally, people need to meet each other in order to communicate and share information among them. In this regard, they have to set for the specific of time and place. As the world emerged, telephone is used by people to communicate with each other. This can reduce time as well as save cost.

In this information era, high technology of telecommunication tools is provided such as internet. Through the internet, people can access information as well as sharing idea. With this technology, a web conference application is introduced to allow people communicating with other person via the net or intranet.

A web conference or video conference is a live connection between people in difference location for purpose of communication, usually involving audio, text, and video. It provides transmission of static images and text

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